



03-14-03

GP/1648

PATENT

Attorney Docket No. GALA-06415

\$

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#11

In re Application of: Robert D. Bremel *et al.*

Serial No.: 09/897,006

Group No.: 1648

Filed: 06/29/01

Examiner: Mosher

Entitled: Host Cell Containing Multiple Integrating Vectors

INFORMATION DISCLOSURE  
STATEMENT TRANSMITTAL

RECEIVED

MAR 19 2003

Assistant Commissioner for Patents  
Washington, D.C. 20231

TECH CENTER 1600/2000

## CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the U.S. Postal Service in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number: EV 092 301 769579 US, addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Dated: March 13, 2003

By:

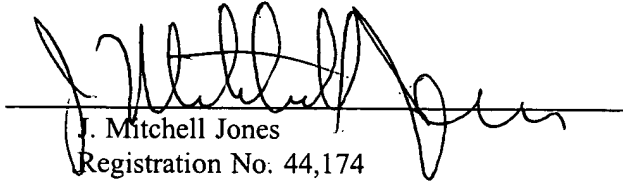
  
Susan M. McClintock

Sir or Madam:

Enclosed please find an Information Disclosure Statement and Form PTO-1449, including copies of the references contained thereon, for filing in the U.S. Patent and Trademark Office.

A check for \$180.00 is also enclosed pursuant to 37 C.F.R. § 1.17(p) for filing this Information Disclosure Statement after three months as set forth in 37 C.F.R. § 1.97(c).

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1290. **An originally executed duplicate of this transmittal is enclosed for this purpose.**

Dated: March 13, 2003  
J. Mitchell Jones

Registration No. 44,174

03/18/2003 ZJUHR1 00000085 09897006

01 FC:1806

180.00 OP

MEDLEN & CARROLL, LLP  
101 Howard Street, Suite 350  
San Francisco, California 94105  
608/218-6900



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Gregory Bleck  
Serial No.: 09/897,005  
Filed: 06/29/01  
Entitled: Expression Vectors

Group No.: 1648  
Examiner: Mosher

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

RECEIVED  
MAR 13 2003  
TECH CENTER 1800/2800

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the U.S. Postal Service in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV 092 301 769 US, addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

By: Susan M. McClintock  
Susan M. McClintock

Sir or Madam:

The citations listed below, copies attached, may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make these citations of official record in this application.

The following printed publications are referred to in the body of the specification:

- U.S. Patent No. 5,721,121
- U.S. Patent No. 5,914,267
- U.S. Patent No. 5,686,120
- U.S. Patent No. 6,136,597
- U.S. Patent No. 5,994,136
- U.S. Patent No. 6,013,516
- U.S. Patent No. 6,027,722
- U.S. Patent No. 5,958,775
- U.S. Patent No. 5,968,785

- U.S. Patent No. 5,965,443
- U.S. Patent No. 5,719,055
- U.S. Patent No. 5,173,414
- U.S. Patent No. 5,225,347
- U.S. Patent No. 6,034,228
- U.S. Patent No. 6,030,822
- U.S. Patent No. 6,030,788
- U.S. Patent No. 6,020,306
- U.S. Patent No. 6,013,455
- U.S. Patent No. 6,013,464
- U.S. Patent No. 6,015,807
- U.S. Patent No. 5,976,853
- U.S. Patent No. 5,994,074
- U.S. Patent No. 6,004,791
- U.S. Patent No. 5,981,251
- U.S. Patent No. 5,976,852
- U.S. Patent No. 5,958,719
- U.S. Patent No. 5,955,592
- U.S. Patent No. 5,952,212
- U.S. Patent No. 4,946,778
- U.S. Patent No. 6,074,859
- U.S. Patent No. 5,976,796
- U.S. Patent No. 5,674,713
- U.S. Patent No. 5,618,682
- U.S. Patent No. 5,627,058
- U.S. Patent No. 5,922,601
- U.S. Patent No. 4,743,548
- U.S. Patent No. 4,677,066
- U.S. Patent No. 5,149,645
- U.S. Patent No. 5,508,184
- U.S. Patent No. 5,914,267

- U.S. Patent No. 6,025,192
- U.S. Patent No. 5,512,421
- U.S. Patent No. 5,994,136
- U.S. Patent No. 6,187,287
- U.S. Patent No. 5,139,941
- U.S. Patent No. 5,843,742
- U.S. Patent No. 5,866,400
- U.S. Patent No. 4,767,704
- U.S. Patent No. 4,657,866
- U.S. Patent No. 4,927,762
- U.S. Patent No. 5,122,469
- U.S. Patent No. 4,560,655
- U.S. Patent No. 5,670,113
- U.S. Patent No. 5,807,689
- U.S. Patent No. 5,876,946
- U.S. Patent No. 6,027,875
- U.S. Patent No. 5,512,443
- U.S. Patent No. 5,993,813
- U.S. Patent No. 5,892,019
- U.S. Patent No. 5,874,540
- WO99/14310
- WO 93/03143
- EP 117058
- WO 92/01070
- WO 93/03769
- WO 90/03430
- WO 87/00195
  
- Mielke *et al.*, Biochem. 35:2239-52 [1996]
- Schroder and Friedl, Biotech. Bioeng. 53(6):547-59 [1997]
- Weidle *et al.*, Gene 66:193-203 [1988]

- McBurney *et al.*, Somatic Cell Molec. Genet. 20:529-40 [1994]
- Allen *et al.*, Plant Cell 5:603-13 [1993]
- Mehtali *et al.*, Gene 91:179-84 [1990]
- Kricker *et al.*, Proc. Natl. Acad. Sci. 89:1075-79 [1992]
- Dorer and Henikoff, Cell 77:993-1002 [1994]
- Anderson and Young, Quantitative Filter Hybridization, in *Nucleic Acid Hybridization* [1985]
- Sambrook, J. *et al.*, *Molecular Cloning: A Laboratory Manual*, 2nd ed., Cold Spring Harbor Laboratory Press, New York (1989) pp.16.9-16.15
- Maniatis *et al.*, Science 236:1237 [1987]
- Voss *et al.*, Trends Biochem. Sci., 11:287 [1986]
- Dijkema *et al.*, EMBO J. 4:761 [1985]
- Uetsuki *et al.*, J. Biol. Chem., 264:5791 [1989]
- Kim *et al.*, Gene 91:217 [1990]
- Mizushima and Nagata, Nuc. Acids. Res., 18:5322 [1990]
- Gorman *et al.*, Proc. Natl. Acad. Sci. USA 79:6777 [1982]
- Boshart *et al.*, Cell 41:521 [1985]
- Sambrook *et al.*, *Molecular Cloning: A Laboratory Manual*, 2nd ed., Cold Spring Harbor Laboratory Press, New York [1989], pp. 16.7-16.8
- Zwizinski *et al.*, J. Biol. Chem. 255(16): 7973-77 [1980]
- Gray *et al.*, Gene 39(2): 247-54 [1985]
- Shelling and Smith, Gene Therapy 1:165-169 [1994]
- Zhou *et al.*, J. Exp. Med. 179:1867-1875 [1994]
- Han *et al.*, Proc. Natl. Acad. Sci. USA 88:4313-4317 [1991]
- Uhlmann *et al.*, Chem. Rev. 90:543-584 [1990]
- Helene *et al.*, Biochim. Biophys. Acta. 1049:99-125 [1990]
- Agarwal *et al.*, Proc. Natl. Acad. Sci. USA 85:7079-7083 [1989]
- Heikkila *et al.*, Nature 328:445-449 [1987]
- Cech *et al.* (1992) J. Biol. Chem. 267:17479-17482
- Kotin, Human Gene Therapy 5:793-801 [1994]

- Berns, K.I. "Parvoviridae and their Replication" in Fundamental Virology, 2nd Edition, (B.N. Fields and D.M. Knipe, eds.)
- Ullrich and Schlessinger, Cell 61:203-212 [1990]
- Neer, 1995, Cell 80:249-257 [1995]
- Sternweis and Smrcka, Trends in Biochem. Sci. 17:502-506 [1992]
- Carbonneau, H. and Tonks, Annu. Rev. Cell Biol. 8:463-93 [1992]
- Saito *et al.*, Cell Growth and Diff. 2:59-65 [1991]
- Krueger *et al.*, Proc. Natl. Acad. Sci. USA 89:7417-7421 [1992]
- Köhler and Milstein, Nature 256:495-497 [1975]
- Kozbor *et al.* Immunol. Today 4:72 [1983]
- Cole *et al.*, in *Monoclonal Antibodies and Cancer Therapy*, Alan R. Liss, Inc., pp. 77-96 [1985]
- Huse *et al.*, Science 246:1275-1281 [1989]
- deWet *et al.*, Mol. Cell. Biol. 7:725 [1987]
- Graham *et al.*, J. Gen Virol., 36:59 [1977]
- Mather, Biol. Reprod. 23:243-251 [1980]
- Mather *et al.*, Annals N.Y. Acad. Sci., 383:44-68 [1982]
- Evans *et al.*, *Handbook of Plant Cell Culture*, 1: 124-176, MacMillan Publishing Co., New York [1983]
- Binding, *Plant Protoplasts*, p. 21-37, CRC Press, Boca Raton [1985]
- Potrykus and Shillito, *Methods in Enzymology*, Vol. 118, Plant Molecular Biology, A. and H. Weissbach eds., Academic Press, Orlando [1986]
- Hoess *et al.*, Nucleic Acids Res. 14:2287-2300 [1986]
- O'Gorman *et al.*, Science 251:1351-55 [1991]
- van Deursen *et al.*, Proc. Natl. Acad. Sci. USA 92:7376-80 [1995]
- Miller and Baltimore Mol. Cell. Biol. 6:2895 [1986]
- Markowitz *et al.*, J. Virol. 62:1120 [1988]
- Miller *et al.*, Mol. Cell. Biol. 10:4239 [1990]
- Martial *et al.*, Science 205: 602-607 [1979]

Applicants have become aware of the following printed publications which may be material to the examination of this application:

- U.S. Patent No. 5,168,062
- U.S. Patent No. 5,385,839
- U.S. Patent No. 5,858,740
- U.S. Patent No. 5,948,675
- U.S. Patent No. 6,051,427
- U.S. Patent No. 6,255,071
- U.S. Patent No. 6,333,195
- U.S. Patent No. 6,410,316
- U.S. Patent No. 6,331,415
- U.S. Patent No. 4,816,567
- U.S. Patent No. 6,319,707
- U.S. Patent No. 6,368,862
- U.S. Patent No. 4,937,190
- U.S. Patent No. 6,061,427
- U.S. Patent No. 5,834,256
- U.S. Patent No. 5,686,279
- U.S. Patent No. 5,817,491
- U.S. Patent No. 5,591,624
- U.S. Patent No. 5,716,832
- U.S. Patent No. 6,080,912
- U.S. Patent No. 6,291,740
- U.S. Patent No. 5,215,904
- U.S. Application No. 2001/0018203
- U.S. Application No. 2001/0043921
- U.S. Application No. 2001/0034393
- WO 99/43795;
- Rogers *et al.*, Strategies 13:97-99 (2000)
- Felts *et al.*, Strategies 13:15-18 (2000)
- Felts *et al.*, Strategies 12:74-77 (1999)

- Miller, Nature 357: 455 [1990]
- Adams *et al.*, Proc. Natl. Acad. Sci. USA 89:8981 [1992]
- Mastromarino *et al.*, J. Gen. Virol. 68:2359 [1977]
- Burns *et al.* Proc. Natl. Acad. Sci. USA 90:8033 [1993]
- Roe *et al.*, EMBO J. 12:2099 [1993]
- Naldini *et al.*, Science 272:263 [1996]
- Carter, B.J., Current Opinion in Biotechnology 3:533-539 [1992]
- de la Cruz *et al.*, J. Bact. 175: 6932-38 [1993]
- Craig, Curr. Topics Microbiol. Immunol. 204: 27-48 [1996]
- Morisato and Kleckner, Cell 51:101-111 [1987]
- J. Immunol. Methods (1983)56:221-234 [1983], *Animal Cell Culture: A Practical Approach 2nd Ed.*, Rickwood, D. and Hames, B. D., eds. Oxford University Press, New York [1992]
- Wilson *et al.*, Cell, 37:767 [1984]
- Schroeder and Neagle, J. Biomol. Screening 1:75-80 [1996]
- Denyer *et al.*, Drug Discov. Today 3:323-32 [1998]
- Gonzales *et al.*, Drug. Discov. Today 4:431-39 [1999]
- Graham and Van der Eb, Virol. 52:456 [1973]
- Goff *et al.*, J. Virol. 38:239 [1981]
- Quade, Virol. 98:461 [1979]
- Yee *et al.*, Meth. Cell Biol. 43:99 [1994]
- Chen and Okayama (Mol. Cell. Biol., 7:2745, 1987
- Shillito, *et al.*, Plant Cell Reports, 2, 244-247 (1983)
- Harlow and Lane, *Antibodies: A Laboratory Manual*, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY
- Brun *et al.*, Interviol, 38:274 (1995)
- Masters *et al.*, Virol. 171:285 (1990)
- Mebatsion *et al.*, J. Virol. 69:1444 (1995)
- Scheper *et al.*, Biochem. 76: 801-809 [1994]
- Meyer *et al.*, J. Virol. 69: 2819-2824 [1995]
- Jang *et al.*, 1988, J. Virol. 62: 2636-2643 [1998]



- Haller *et al.*, J. Virol. 66: 5075-5086 [1995]
- Lebkowski *et al.*, Molec. Cell. Biol. 8:3988-3996 [1988]
- Vincent *et al.*, Vaccines 90 [1990]
- Carter, Current Opinion in Biotechnology 3:533-539 [1992]
- Muzyczka, Current Topics in Microbiol. and Immunol. 158:97-129 [1992];
- Wang *et al.*, Gene 182:145-150 (1996)
- Vaillancourt *et al.*, Strategies 13:50-53 (2000)
- Han *et al.*, PNAS 88:4313-4317 (1991)

The references below were cited in the corresponding PCT Application  
PCt/US01/20714 International Search Report dated 25/06/02

- U.S. Patent No. 5,850,000
- WO 93/02108
- WO 94/24870
- WO 96/11013
- WO 94/05786
- Poul *et al.*, Immunotechnology, Elsevier Science Publishers BV, NL 1:189-196 (1995)
- Zufferey *et al.*, J. of Virology 73:2886-2892 (1999)

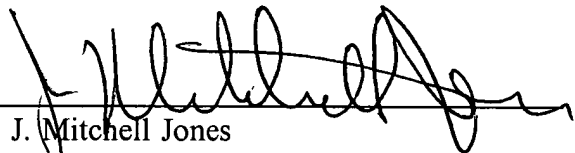
The Examiner's attention is especially directed to the following references contained in the IDS:

U.S. Pat. No. 6,319,707 to Adam *et al.*  
U.S. Pat. No. 6,136,597 to Hope *et al.*  
U.S. Pat. No. 6,410,316 to Sheridan *et al.*  
U.S. Pat. No. 6,333,195 to Respass *et al.*  
U.S. Pat. No. 6,255,071 to Beach *et al.*  
U.S. Pat. No. 6,051,427 to Finer *et al.*  
U.S. Pat. No. 5,512,421 to Burns *et al.*

U.S. Pat. No. 5,627,058 to Ruley et al.  
U.S. Pat. No. 5,866,400 to Palsson et al.  
U.S. Pat. No. 5,922,601 to Baetscher et al.  
U.S. Pat. No. 6,080,912 to Bremel et al.  
U.S. Pat. No. 5,591,624 to Barber et al.  
U.S. Pat. No. 5,817,491 to Yee et al.  
U.S. Pat. No. 4,937,190 to Palmenburg et al.  
WO 94/05786 to Eichner et al.  
WO 94/24870 to Le Guern et al.  
WO 93/03143 to French et al.  
Rogers *et al.*, Strategies 13:97-99 (2000)  
Felts *et al.*, Strategies 13:15-18 (2000)  
Felts *et al.*, Strategies 12:74-77 (1999)  
Vaillancourt *et al.*, Strategies 13:50-53 (2000)

This Information Disclosure Statement under 37 C.F.R. §§ 1.56 and 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art.

Dated: March 13, 2003

  
J. Mitchell Jones  
Registration No. 44,174

MEDLEN & CARROLL, LLP  
101 Howard Street, Suite 305  
San Francisco, California 94105  
608/218-6900